BERNALILLO COUNTY PURCHASING DEPARTMENT

REQUEST FOR BID TABULATION

RFB# 0035-09-DE

PRIC AGREEMENT FOR MATERIAL AND LAB TESTING SERVICES SOUTH VALL MULTI-PURPOSE FAMILY SERVICES CENTER PROJECT

1. BIDDERS NAME	NM PREFERENCE #	DISCOUNT	SIGNATURE OF BID	ACKNOWLEDGEMENT OF ADDENDUM #1
Earthworks Eng.	none		✓	✓

ITEM	SPEC. SECTION NO.	SECTION NAME	FIELD SAMPLING, TESTING, LAB TESTS, INSPECTIONS & OBSERVATIONS	EST. QTY TESTS/ HOURS	U/M	UNIT/RATE	EXTENSION
SITE CONCRETE & ASPHALT PAVING, EARTHWORK AND UTILITIES TESTING AND INSPECTION							
	02520	Portland Cement Concrete Paving	Concrete Sampling/Testing				
1			Shall be as per NMPW Section 101.15.2.2 A sample shall be taken for each design mix of concrete placed each day, once for each 100 yd^3, once for each 5,000 ft^2 of slabs/sidewalks. Samples will be taken in the filed by the ENGINEER, in accordance to ASTM C172, at the point of discharge after all tempering at the job site has been completed.	13	EA	50	650
	02520	Portland Cement Concrete Paving	Slump Test				
2			Shall be in accordance to the NMPW Section 101.15.2.3 Slump tests will be performed on each quality assurance sample in the field in accordance with ASTM C143. Concrete used for slump test shall not be used in specimens for strength tests. The values for the slump are provided in table 101.C	11	EA	5	55
	02520	Portland Cement Concrete Paving	Entrained Air Tests				
3			Shall be as Per Section NMPW 101.15.2.3 Tests shall be performed in accordance with ASTM C231.	11	EA	15	165
	02520	Portland Cement Concrete Paving	Concrete Cylinders and Reports				
4			Shall be in accordance with NMPW Section 101.15.7.2 A. The number and type of compressive strength test cylinders shall be a minimum of four (4) 4"dia. x 8" cylinders for normal concrete with maximum size aggregate of 1" or less. B. The test strength shall be the average of the test strengths of the two specimens. The critical compressive strength shall be a minimum of 85% of the specified design strength. C. Concrete strength shall be tested at 7days and 28 days and reported to the ENGINEER.	4	EA	60	240
	02318 02511	Recycled Asphalt Paving	Asphalt Field Sampling				
7			Shall be as per NMPW Section 336.10.2 The materials shall be sampled at the greater rate of either one sample for each 250 tons, or one sample per day, for each type of material placed on a project.	16	HRS	50 ~~800~~	800 ~~1600~~
	02300	Earthwork	Sub grade Field Sampling				

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5			Shall be as per NMPW Section 301.6 A sample of each type of soil encountered shall be classified in accordance with the accordance with the requirements of ASTM D2487, the moisture density relationship determined in accordance either ASTM D698 or D1557, whichever is applicable and an estimated resistance R-value assigned based on plasticity index, PI, and percent material passing	12	HRS	50	600
	02300	Earthwork	Sub grade Testing				
6			Compaction tests shall be taken at the rate of one test for each 500 yd^2 or less.	16	HRS	50	800
			Material Sampling				
7			A sample of material delivered to the project shall be taken for each 300 tons placed or each days payment, whichever is greater, and tested for gradation and moisture density relationship. Compaction tests shall be taken at the rate of one test for each 500 yd^2/lift placed.	16	HRS	50	800
	02318 02511	Recycled Asphalt Paving	Asphalt Concrete Field Testing				
8			Shall be as per NMPW Section 116.10.4.2.2.1 The field density for SP-III material shall be measured in accordance with the requirements of ASTM D2950 at the minimum rate of three (3) tests per lift, per 500 yd^2 of each type of asphalt material placed in a day.	16	HRS	50	800
	02300	Earthwork	Structure Compacted Backfill Testing				
9			Shall be as per NMPW Section 301.6.2 Backfill material shall be placed in level lifts and each compacted lift shall not exceed 6 inches. Soil used for the backfill around structures shall be compacted to a dry density of not less than 90% of max. dry density in a moisture range of optimum moisture +/-2% as determined in accordance with ASTM D1557 (modified), unless the soil contains 35% or more finer than the No. 200 sieve. If the soil used has 35% or more finer than the No. 200 sieve, it shall be compacted to a dry density of 90% of max. dry density in a moisture content range of at least optimum moisture to +4% above optimum as determined in accordance with ASTM D698 (standard).	17	EA	50	850
	03300	Cast-in-Place Concrete	Concrete Structure Testing - See below				
10			Test per paragraph 3.14 Field Quality Control	4	HRS	50	200
	02300	Earthwork	Trenching and Backfill Testing - Site Civil				
11			Test per NMPW section 101	16	HRS	50	800
	02800	Sewerage and Drainage	Leakage Tests for Sanity Sewer Lines				

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12			Test per NMPW section 901.7 (Infiltration Test Section 901.7.2, Exfiltration Test Section 901.7.3, Air Test Section 901.7.4, Television of Lines Section 901.8.2, Mandrel deflection test Section 901.5.2.4)	8	HRS		Contractor responsibility
	02300	Earthwork	Utility Trenching (water, sanitary sewer, and gas only): On Site and Offsite				
13			Shall be as per NMPW Section 701.16.1.12 A sample of each type of soil encountered shall be classified in accordance with the requirements of ASTM D2487, and the moisture density relationship determined in accordance either ASTM D698 or D1557, whichever is applicable. A compaction test shall be taken for each 2 feet depth per 200 feet trench length or less.	16	EA	200	3200
	16010/02300	General Electrical Provisions	Trenching for Electrical Utilities				
14			Shall be as per NMPW Section 701.16.1.12 A sample of each type of soil encountered shall be classified in accordance with the requirements of ASTM D2487, and the moisture density relationship determined in accordance either ASTM D698 or D1557, whichever is applicable. A compaction test shall be taken for each 2 feet depth per 200 feet trench length or less.	12	EA	20	2400
			Subtotal				
BUILDING EARTHWORK, CONCRETE AND STEEL TESTING AND INSPECTION							
	02300	Earthwork	Field Test & Observations				
15			1. Verify Depth of Fill/BTM Excavation	8	HRS	50	400
16			1A. Verify GeoGrid Installation	10	HRS	50	500
17			1B. Verify Base Course over GeoGrid Installation	20	HRS	50	1000
18			1C. Fill Material Density	100	EA	5	500
19			1D. General Observation of backfill operation (apply 1/2 hour per density reading taken)	50	HRS	5	2500
20			1E. Footing trench material density	30	EA	50	1500
	02300	Earthwork	Lab Tests				
21			2. Fill Material Moisture Density Curve	5	EA	200	1000
22			2A. Sieve Analysis	5	EA	40	200
23			2B. Plasticity Index	5	EA	45	225
	03300	Concrete	Field Test & Observations				
24			3. Concrete Batch Ticket to verify design mix used	40	EA	5	200

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25			3A. Concrete Slump	25	EA	5	125
26			3B. Concrete Air Content	25	EA	15	375
27			3C. Concrete Temperature	25	EA	5	125
28			3D. Concrete Compression Test Cylinders	100	EA	14	1400
29			3E. Weather Conditions	40	EA	5	200
30			3F. Inspect Site Walls Footing Trench Dimensions, Reinforcement and Chairs	20	HRS	50	1000
31			3G. Inspect Site Walls Forms for Shape Location & Dimensions	10	HRS	50	500
32			3H. Inspect Site Walls Reinforcing Steel	10	HRS	50	500
33			3I. Inspect Column Anchor Bolt Placement for Type, Size & Location	6	HRS	50	300
			General Observation Concrete				
34			4. Placement (Apply 2 Hours per Site of Cylinders)	50	HRS	50	2500
			Lab Tests				
35			5. Concrete Compression Strength	100	EA	14	1400
	05120	Structural Steel	Field Observations				
36			6. Inspection of Steel Brace Frames	5	HRS	50	250
37			6A. Verify Framing Sizes & Location	5	HRS	50	250
38			6B. Inspect Welds	10	HRS	50	500
	05410	Cold-Formed Structural Metal Framing	Light Gauge Metal Framing Inspections				
39			7. Inspect Metal Stud to Track Connections	10	HRS	50	500
40			7A. Inspect Metal Stud Size & Spacing	5	HRS	50	250
41			7B. Inspect Metal Stud Shear Wall Panels.	6	HRS	50	300
42			7C. Inspect Exterior Sheathing Connections to Metal Stud Wall Size & Spacing.	10	HRS	50	500
43			7D. Inspect Stud Wall Headers	5	HRS	50	250
			TOTAL				31,610

In the event services must be added, please provide an hourly rate $ 50

All items must be bid to be considered responsive.

Quantities are estimates only and may be increased or decreased as necessary.